

C. Kaufman

1646 #14

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/954,771

DATE: 10/08/1999
TIME: 14:55:28

INPUT SET: S33602.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages

ENTERED

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Ingham, Phillip W.
McMahon, Andrew P.
Tabin, Clifford J.

(ii) TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
Proteins and Uses Related Thereto

(iii) NUMBER OF SEQUENCES: 48

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: FOLEY, HOAG & ELIOT LLP
(B) STREET: One Post Office Square
(C) CITY: Boston
(D) STATE: MA
(E) COUNTRY: USA
(F) ZIP: 02109-2170

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/954,771
(B) FILING DATE: 20-OCT-1997

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/462,386
(B) FILING DATE: 05-JUN-1995

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/435,093
(B) FILING DATE: 04-MAY-1995

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/356,060
(B) FILING DATE: 14-DEC-1994

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/176,427
(B) FILING DATE: 30-DEC-1993

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47
48 (viii) ATTORNEY/AGENT INFORMATION:
49 (A) NAME: Vincent, Matthew P.
50 (B) REGISTRATION NUMBER: 36,709
51 (C) REFERENCE/DOCKET NUMBER: HMV-006.11
52
53 (ix) TELECOMMUNICATION INFORMATION:
54 (A) TELEPHONE: 617-832-1000
55 (B) TELEFAX: 617-832-7000
56
57
58 (2) INFORMATION FOR SEQ ID NO:1:
59
60 (i) SEQUENCE CHARACTERISTICS:
61 (A) LENGTH: 1277 base pairs
62 (B) TYPE: nucleic acid
63 (C) STRANDEDNESS: both
64 (D) TOPOLOGY: linear
65
66 (ii) MOLECULE TYPE: cDNA
67
68
69 (ix) FEATURE:
70 (A) NAME/KEY: CDS
71 (B) LOCATION: 1..1275
72
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74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
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81 Cys Ala Leu Leu Val Ser Ser Gly Leu Thr Cys Gly Pro Gly Arg Gly
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93 Tyr Glu Gly Lys Ile Thr Arg Asn Ser Glu Arg Phe Lys Glu Leu Thr
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97 Pro Asn Tyr Asn Pro Asp Ile Ile Phe Lys Asp Glu Glu Asn Thr Gly
98 85 90 95
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105	Ala Ile Ser Val Met Asn Gln Trp Pro Gly Val Lys Leu Arg Val Thr	
106	115 120 125	
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109	Glu Gly Trp Asp Glu Asp Gly His His Ser Glu Glu Ser Leu His Tyr	
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129	His Leu Glu His Gly Gly Thr Lys Leu Val Lys Asp Leu Ser Pro Gly	
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137	Phe Leu Thr Phe Leu Asp Arg Met Asp Ser Ser Arg Lys Leu Phe Tyr	
138	245 250 255	
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141	Val Ile Glu Thr Arg Gln Pro Arg Ala Arg Leu Leu Leu Thr Ala Ala	
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161 Leu Thr Ala Gln Gly Thr Ile Leu Ile Asn Arg Val Leu Ala Ser Cys
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165 Tyr Ala Val Ile Glu Glu His Ser Trp Ala His Trp Ala Phe Ala Pro
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168 TTC CGC TTG GCT CAG GGG CTG CTG GCC GCC CTC TGC CCA GAT GGG GCC 1152
169 Phe Arg Leu Ala Gln Gly Leu Leu Ala Ala Leu Cys Pro Asp Gly Ala
170 370 375 380
171
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173 Ile Pro Thr Ala Ala Thr Thr Thr Thr Gly Ile His Trp Tyr Ser Arg
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176 CTC CTC TAC CGC ATC GGC AGC TGG GTG CTG GAT GGT GAC GCG CTG CAT 1248
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180 CCG CTG GGC ATG GTG GCA CCG GCC AGC TG 1277
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185 (2) INFORMATION FOR SEQ ID NO:2:
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187 (i) SEQUENCE CHARACTERISTICS:
188 (A) LENGTH: 1190 base pairs
189 (B) TYPE: nucleic acid
190 (C) STRANDEDNESS: both
191 (D) TOPOLOGY: linear
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193 (ii) MOLECULE TYPE: cDNA
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196 (ix) FEATURE:
197 (A) NAME/KEY: CDS
198 (B) LOCATION: 1..1188
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201 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
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216	Val	Pro	Ser	Met	Pro	Glu	Arg	Thr	Leu	Gly	Ala	Ser	Gly	Pro	Ala	Glu		
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227	CGC	CTG	ATG	ACA	GAG	CGT	TGC	AAA	GAG	CGG	GTG	AAC	GCT	CTA	GCC	ATC		336
228	Arg	Leu	Met	Thr	Glu	Arg	Cys	Lys	Glu	Arg	Val	Asn	Ala	Leu	Ala	Ile		
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244																		

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